

(FDD 26737)

Concerning the Vertical Distribution of the Phytoplankton in the Bering Sea, by G. I. Semina, 6 pp.

RUSSIAN, thrice-a-month per, Dok Ak Nauk SSSR, Vol CI, No 5, Moscow, 11 Apr 1955, pp 947-949.

CIA/FDD U-8089

USSR

Sci - Biology, & marine plants

33,730

Cobalt Content of Plants, Soils and Fertilizers,
by M. V. Katalymov, A. A. Shirshov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol VI, 1955,
pp 955-957. C

SLA Tr R-1323

Sci

Jun 58

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(FDD 26738)

Concerning the Vertical Distribution of Plankton in
the Northwestern Portion of the Pacific Ocean, by
K. A. Grodskiy, 8 pp.

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No 5, Moscow, 11 Apr 1955, pp 961-964.

CIA/FDD U-8090 33 731

S.L.A. R-238

USSR

Sci - Biology, marine plants

Solving a Linearized Axially-Symmetrical Problem of Point Explosion in a Medium with Variable Density, by V. P. Karlikov, 6 pp.
RUSSIAN, per, Dok Ak SSSR, Vol 11, No 6, 1955, pp 1009-1012. 9607961
FTD-TT-65-557

Sci-Phys
Sep 65

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Kleinberg, A. V. and Terenin, A. N.
DISSIPATION OF VIBRATION QUANTA AND
QUENCHING OF NITRIC OXIDE FLUORESCENCE
(Russiantse 'Kolebatel'nykh kvantov i Tushenie
Fluorestsentsii No). [1961] [5]p. 12 refs.
Order from OTS or SLA \$1.10 61-28226

Trans. of Akademiya Nauk SSSR. Doklady, 1955,
v. 101, no. 6, p. 1031-1034.
Another trans. is available from ATS \$8.00 as
ATS-86N53R [1961] 5p.

Portions of this report will not reproduce well.

DESCRIPTORS: *Nitrogen compounds, *Oxides,
*Fluorescence, Intensity, Photometers, Gases,
Pressure, Electric discharges, Dissociation, Vibra-
tion, Photochemical reactions, Molecules, Excitation.

(Chemistry--Physical, TT, v. 7, no. 10)

61-28226

I. Kleinberg, A. V.
II. Terenin, A. N.

ATS/PJ-3051

Office of Technical Services

Some Results of Observation of the Solar Corona
Between Eclipses, by M. N. Gnevysheva, R. S.
Gnevysheva, 4 pp.

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pp 1017-1018. ~~CIA 64-1132~~

ATIC F-TS-9631/V

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Sci - Astron
Mar 59

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On the Three-Dimensional Multi-Layer Heat Conduction
Problem, by A. B. Datshev, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CI,
No 6, 1955, pp 1019-1021.

Morris D. Friedman

Scientific - Physics

34, 711

May 56 GTS/dex

V
Stabilization of the Energy of Ions Accelerated
by a High-Voltage Electrostatic Generator,
by V. G. Brovchenko, B. M. Gekhtergel, V. M.
Morozov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CI, No 6, 1955, pp 1023-1025.

Sci Mus Lib 55/3404.

A.S.R.E. 582

Norman D. Friedman 31, 7.56

Sci - Electricity, Engineering

ATS RJ 351

Kleinberg, A. V. and Terenin, A. N.
DISSIPATION OF VIBRATION QUANTA AND
QUENCHING OF NITRIC OXIDE FLUORESCENCE
[1961] 5p.

Order from ATS \$8.00

ATS-86N53R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1955,
v. 101, no. 6, p. 1031-1034.

DESCRIPTORS: *Vibration, Scattering, *Nitrogen com-
pounds, *Oxides, *Fluorescence.

(Chemistry--Physical, TT, v. 7, no. 2)

61-25460

I. Kleinberg, A. V.
II. Terenin, A. N.
III. ATS-86N53R
IV. Associated Technical
Services,
East Orange, N. J.

Office of Technical Services

Gusakova, G.S. and Preobrazhenskii, N.A.
RECHERCHES DE SYNTHÈSE DANS LE DOMAINE DE
L'ALCALOÏDE YOHIMBINE (Sinteticheskie Issledova-
niya v Oblasti Alkaloida Iokhimbina) (Synthetic Studies
in the Field of Yohimbine Alkaloids). 10p. (foreign
text included). 4refs. CNRS-VIII bis 301.
Order from OTS, ETC or CNRS \$0.80 TT-62-28154

Trans. in French of Akademiya Nauk SSSR, Doklady,
1955, v.101, no.6, p.1061-1063.

DESCRIPTORS: *Alkaloids, Synthesis (Chemistry),
Molecular structure.

(Biological Sciences--Pharmacology, TT, v. 11, no. 6)

TT-62-28154

I. Gusakova, G.S.
II. Preobrazhenskii, N.A.
III. CNRS-VIII bis 301
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European Translations Centre

Mechanism of the Desulfurization of Gaseous Iron, by
L. E. Kocklyn, G. A. Eide, V. V. Mikhalev, 7 pp.

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Sci Tr Clr. RC-3429

Scientific - Chemistry

34,866

May 56 CTS/der

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"Fractional" Peaks in the Mass-Spectrum of
Hydrogen, by N. N. Tunitskiy, R. M. Smirnova,
M. B. Tikhomirov, 4 pp.

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pp 1083-1084.

AEC Tr 2310

Sci - Physics

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Crystal Habit of Diamond Determined on the Basis
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UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XI, No 6, 1955;
pp 1109-1112.

ADDITIONAL T-2000

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Sci - Physics
Nov 60

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On the New Mineral Labuntsovite and on the So-
Called Titencalpidite, by E. I. Semenov and N. A.
Burova, 8 pp.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol 187, 1955, p 1113-1116.

SLA K 1608

Sci

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On the Theory of Anomalous Skin Effect, by
M. I. Kaganov, M. Ya. Azbel', 4 pp.

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Morris D. Friedman
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Sci - Med

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Sci - Physics
May 1957 CTS/dex

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Measurement of Mass by Impulse and Ionization, and
Spectra of Impulses of Different Particles of
Cosmic Radiation at Sea Level, by V. A. Lyubimov,
G. P. Eliseev, V. K. Kosmachevskiy, 9 pp.

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26.121

AEC/UCRL TR 932 (L)

Scientific - Physics

Aug 55 CTS/DEX

A High Frequency Ion Source, by V. M. Morozov,
4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CII, 1955, pp 61-41.

AEC Tr 2743

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Sci - Electronics

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Jun 57

The Polarization of Electromagnetic Waves,
by F. I. Fedorov, 3 pp.

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No 1, 1955, pp 69-71.

CIA/FDD X-2400

Sci - Physics
May 1957 CT3/dex

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The Study of Volume and Grain Boundary Diffusion
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S. Z. Bokshstein, S. T. Kishkin, L. M. Moroz,
T. I. Gudkov, 7 pp.

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ABC Tr 2233 Brutecher 3590

Scientific - Physics
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On Thermal Conversion of Alkyl(Aryl)Acetoxysilanes
and Alkyl-Hydroxy-Silanes into Poly-Organometal-
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 1, 1955,
pp 85-88.

127 1576
SLA R-2051

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Reaction of Mercuric Oxide With Vinyl Ethanol;
by L. F. Lutsenko, R. M. Khomutov, 8 pp.

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1955, pp 97-99. 9040370

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Sci - Chem

Jul 59

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The Strain in Lactams, by A. A. Strepikheyev, S. M. Skuratov, and others, 6 pp.

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SLA 59-15311

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The Part Played by the Solvent in Liquid Phase Reactions, by M. G. Gonikberg, 6 pp.

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Scientific - Chemistry

Jun 56/dec

A Diffusion Method of Determining the Thermo-
dynamic Characteristics of Solid Solutions, by
~~XXXX~~ A. A. Zhukovitskiy, S. N. Kryukov, M. E.
Yanitskaya, A. G. Golitzin, 6 pp.

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Sci Mus 816-56/0007
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Some Shapes of Zircon Grains From Granites
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Preobrazhenskiy

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Assoc Tech Sv RJ-451

\$4.75

Sci - Min/Metals

Jan 57 CTS

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Study of Protein Formation in the Photosynthesis
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SIA R-1324

May 58

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Spatial Distribution of Charged Particles at
Small Distances From the Axis of an Extensive
Atmospheric Shower, by O. I. Dovkhenko,
S. I. Nikol'skiy, 5 pp.

RUSSIAN, thrice-as per, Dok Ak Nauk, Vol CII,
No 2, 1955, pp ~~241~~ 241-245.

A.E.R.E. Harwell Tr 696

Sci - ~~the~~ Astronomy; Geophysics 39, 299
Sep 56 CTS

Investigations of the (γ p) Reaction in Copper,
by E. M. Leikin, R. M. Osokina, B. S. Ratner,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955,
pp 245-248.

SLA 61-17507
AEC Tr 2305

Consultants Bureau

Sci - Nuclear Physics
Chemistry
Minerals/Metals
Physics

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Criterion (Test) for Verifying the Interpretation
of Gravity Observations, by A. A. Lyapunov, 3 pp.

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Sci - Geophysics
Sep 59

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The Polymerization of Methlyated (in the Nucleus)
Styrenes, by M. M. Koton, T. G. Smolyuk, 3 pp.

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1955, pp 305-305.

TIK Tr 4649

Sci Trans Center RI-3409

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Scientific - Chemistry

Apr 56

Etude du Mecanisme de la Reaction Entre Les
Xanthogenates et la Surface des Minerais Sulfures,
by I. N. Plaksin, S. B. Besonov, V. I. Tyurnikova,
7 p.

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Vol CII, No 2, pp 331-333.

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Local Consumption of Products of Photosynthesis
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SIA R-1325

May 58

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The Dielectric Constant of Barium Titanate,
by I. P. Kozlobayev, 3 pp.

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AEC Tr 2711

Sci - Chemistry
Jun 57

The Action of Radiophosphorus on the Growth and Development of Oats Under Various Conditions of Phosphorus Uptake, by A. G. Shestakov, G. F. Ivanova, N. I. Shmelkova, 3 pp.

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434.

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Sci - Physics
Dec 56 GTS

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New System of Modulated Radio Reception
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For the Creation of a Radio Telescope
of Ultrahigh Resolving Power, by
V. V. Vitkevich, 5 pp.
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FTD-TT-65-570

Sci-Elect
Oct 65

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Regularities in the Composition of Iron Meteorites
and the Problem of the Origin of Meteorites, by
A. A. Yavnel, 5 pp.

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ATS 46H12R

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Sci - Geophysics

Sep 57

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Effect of Adsorption of Iodine Vapors on the
Natural and Dye-Sensitized Photoelectric Effect
of Silver and Thallium Iodide Salts, by A. I.
Akinov, E. K. Putzeiko, 9 pp.

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ATL - 697566

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Sci - Chemistry, electricity

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SLIT R-1507

Complicated Structure of Basic Absorption of a
Cadmium Sulfite Crystal, by M. A. Yakobson, Ye.
F. Gross, 11 pp.

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No 3, 1955, pp 485-508.

ATIC F-TS-9135/V

Sci - Chemistry
May 1957 CTS/dex

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Investigation of the (γ p) Reaction in Nickel,
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2 pp.

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SLA 61-17506
AEC Tr 2306

Consultants Bureau

Sci - Nuclear Physic
Minerals/Metals
Chemistry
Physics

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A New Method of Direct Structure Analysis of
Crystals, by A. I. Kitaygorodskiy, 3 pp.

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Sci Mus Rb - 36/06-7
Sci Ekons Center RT 3164

Scientific - Physics

ALL R 116
31, 2 19
Feb 56

Synthesis of Bisbenzyltetrahydroisoquinoline Ethers,
by L. V. Volkova.

RUSSIAN, no per, Dok Ak Nauk, Vol CII, 1955, pp 521-
524. (GB 2)

UKSM

Sci - Chemistry

54, 683

Oct 57

Neameyanov, A. N., Perevalova, E. G. and others.
ARYL FERROCENES AND FERROCENYLAMINE.

[1961] 8p. 4 refs.

Order from OTS or SLA \$1.10

61-20228

Trans. of Akademiya Nauk SSSR. Doklady, 1955,
v. 102, no. 3, p. 535-538.

DESCRIPTORS: *Ferrocenes, *Nitrophenols, Phenols,
*Amines, *Anilines, Isomers, Chemical reactions,
Synthesis.

Experiments are described in which m-nitrophenyl-
ferrocene and p-ferrocenylphenol were obtained with
diaz compounds and in which m-nitrophenyl-
phenylferrocene and the previously described p-isomer
(Akad. Nauk SSSR. Doklady 97: 459-461, 1954; avail-
able in translation from LC or SLA as 59-10645) were
used for preparing m- and p-ferrocenylanilines.
(Chemistry--Organic, TT, v. 6, no. 11)

61-20228

1. Neameyanov, A. N.
II. Perevalova, E. G.

(1011)

TT-64-30121

Office of Technical Services

Chemiluminescent Quantitative Analysis, by A. A.
Ponimarenko, 6 pp.

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SLA Tr R-1326

Sci

Jun 58

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On the Mechanism of the Electropolishing of
Zinc, by A. T. Vagramyan, A. P. Popkov, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CII, No 3, 1955, pp 547-549.

SLA R-993

May 58

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the Effect of Inhibitors on the Auto-Oxidation of
Petroleum Hydrocarbons, by K. I. Ivanov, E. D.
Gilyanskaya

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1955, pp 551-554.

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32,705

Scientific - Chemistry

Apr 56

62-14706

Manykian, L. E.
EXCHANGE OF PHOSPHORUS OF NUCLEIC ACIDS
AND PHOSPHOLIPIDES IN THE BRAIN OF RABBITS
DURING ONTOGENESIS. [1962] [11]p. 6 refs.
Order from OTS or SLA \$1.60 62-14706

Trans. of Akad[emiya] Nauk SSSR. Doklady [1955]
v. 102 [no. 3] p. 567-570.

DESCRIPTORS: *Nucleic acids, *Phospholipids,
Phosphorus, Labeled substances, *Brain, Cerebral
cortex, Growth, Embryos, Rabbits.

The relative rate of exchange of the nucleic acids and
the phospholipid contents in various parts of the brain
and in the spinal cord was determined at several stages
of the embryonic and post-embryonic development of
rabbits. This was done with the aid of subcutaneous
injections of radiophosphorus. No constant ratio was
found between the shift of nucleic acid content during
(Biological Sciences--Physiology, TT, v. 8, no. 7)
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1. Title: Ontogenesis
1. Manykian, K. E.

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Dehydrogenases of Apple Tissues, by B. A. Rubin,
E. G. Sal'kova.

RUSSIAN, per, Dok Ak Nauk SSSR, Biokhim, Vol CII,
No 3, 1955, pp # 571-573.

*PL-480
OTS 63-11085
PST866

Sci

Dec 62

Fission of Uranium Nuclei by Protons With an
Energy of 460 MEV, by N. S. Ivanov, N. A. Perilov,
V. P. Shamov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII,
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AEC Tr 2307

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Sci - Nuclear Physics

Protein Synthesis in Isolated Chloroplasts, by
N. M. Sisakyan, I. I. Filippovich, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955,
pp 579-582.

SLA Tr R-1327

Sci

Jun 58

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Kinetics of Distribution of Sulfur Between
Liquid Iron and Slag, by O. A. Esin, V. N.
Shikhov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
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Brutcher Tr

No 3697 34048
\$3.60

Scientific - Min/Metals
Chemistry

May 56 CTS/DEX

The Mesozoic Age of Alaskite Granites of the
Karaminsk Range (Central Asia), by I. E.
Smorchkov, et al.

RUSSIAN, per, Doklady Akad Nauk SSSR, Vol CII,
No 3, 1955, pp 595-597.

Assoc Tech Sv RI-745
\$4.50

Sci - Geophysics
Aug 57

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New Genus of the Family Archmediscidae E.
Tchern, by I. N. Orlova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 3,
1955, pp 621, 622.

ATS RJ-1553

Sci
May 59

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The Germinative Energy and Capacity of Seeds of
Quercus Rubra and Juglans Regia as Related to
Their Position in the Soil, by G. Kh. Molotkovskii.
RUSSIAN, per, Moskva, Doklady, Akademii Nauk
SSSR, Vol 102, No 3, 1955, pp 637-639.
♦CFSTI TT 68-50428

Sci/Agri
Jul 68

Determining Magnetic Field Intensity in Prominences
From the Movement of Their Knots in the Picture Plane,
Paper by G. M. Idlis, M. G. Karimov, A. B. Delone, S. O.
Obashev, 7 pp. UNCLASSIFIED

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CII,
No 4, 1955, pp 707-710. CIA 609873

Amer Meteor Soc,
for Geophys Res Dir, ASTIA

Sci - Physics
Jun 58

SLA 59-13175, 374

Irregular Waveguides With Slowly Varying Parameters;
by B. Z. Katsenelenbaum, 4 pp.

RUSSIAN, twice-no par, Dok Ak Nauk SSSR, Vol CII,
No 4, 1955, pp 711-714.

CIA/TDD X-2402

Sci - Physics; Mathematics
May 1957 CTS/lex

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Application of Mass Spectrometers With In-
homogeneous Magnetic Field for Determining Atomic
Masses, by A. V. Dubrovina, G. V. Balabina, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955,
pp 719-721.

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Scientific • Physics

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AEC Tr 2204

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RT 2102

Sep 55 CTS

Sci Tr Center
SIA 61-17496

Elastic and Electrical Phenomena in Nerve in the
Propagation of Excitation, by L. P. Kayushin, R. G.
Lyudkovskaya, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 4, 1955,
pp 727, 728. CIA 9045905

NIH

Sci - Medicine
Jan 60

107,555

On the Question of the Ionic and Homopolar Bonds
in Semiconductors, by I. M. Fridl'kovskiy, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, No 4,
1955, pp 737-740.

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Sci - Electronics
Sep 59
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The Positions of Copper and Magnesium Atoms in the
Structure of CuMgSn , by E. I. Gladyshevskiy,
P. I. Kripyakevich, 7 pp.

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No 4, 1955, pp 743-746.

Sci Mus Lib No 56/1878

Sci - Chemistry

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42-266-1872

Photochemical Study in Iron Pheophorbid, by
M. S. Ashkinazi, I. P. Gerasimova, B. Y. Dain,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CII, 1955, pp 767-770.

SIA R-1328

May 58

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Gehlenite and Its Part in the Hardening of High-Alumina Cement, by P. P. ~~Budin~~ Budnikov, A. P. Cherkasova, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol E CII, No 4, 1955, pp 793-795.

Sci Mus Lib No 56/3144

Sci - Chemistry

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6. 11. 1955 / 25

Energy Equations for the Motion of Liquids
Containing Suspended Solids, by F. I. Frankl^o,

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol CII, No 5, 1955, pp 903-906.

Coop Trans Schema No 165
L1.126. (48.03.)

Sci - Chemistry

May 1956

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Sci - Math

5/7/56

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